Approved For Release 2002/08/26 : CIA-RDP78-02820A000100080006-6

SECRET

!	The Files	20 September 1956
25X1A9A		
25X1A5A1	Trip Report to .	and others
5X1 5X1 25X1A	l. An initial visit was made to during the after tion with Task Order Semi-automatic Agent Two-way Communi	rnoon of 6 September 1956, in connec- r 1, for the development of the AS-3
25X1A5A1	the contractor is allowed 18 months the development activity and for ship contract cost is approximately \$180, directed toward the execution of the and August. One mechanical engineer September 1956. The contractor's rement activity were expressed as difficied engineers for the work and some moving into a new engineering laboratesign senior engineers to the projectionic engineering personnel. A development of the AS-3. An indue. The contractor was instructed officer in writing, advising of his	pment of the deliverable items. The cooperation of the contractor made no progress Task Order during the months of July was assigned to the project on 4 same for failure to initiate developmenties encountered in hiring qualiculties encountered in hiring qualicu
25X1A5A1 25X1A5A1 25X1A5A1	This visit permitted a discussion with providing a transistorized power supplies just completed the design of the the company plans to manufacture as a st 7000 units per year. The unit will in aircraft. The specifications for ment require operation from -40 to for the efficiency, 93 per cent, is uncon	ly for the RS-11 equipment. Mr. 100 watt transistor power supply which proprietary item with production set 1 replace a 26 volt dynamotor standard the transistorized dynamotor replace- 30 degrees centigrade (174 degrees F).

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for the transmitter from a 12 volt source would require a volume of 10 cubic inches or about 1/3 the size of the present EA-1315/U. This inquirey was based on a rather general thought that eventually all communications equipment will be capable of being powered from a 12 volt storage battery or other 12 volt source (i.e., a thermo electric or solar generator).

		battery or other 12 volt source (i.e., a thermo electric or solar generator).			
		4. A visit was made to the			
	25X1A [during the morning of 7 September 1956 in connection with Present were: 25X			
25X1					
	25X1A5A1	5. had advised earlier of an improved key click filter design (inspired by the laboratory) to reduce key click radiation. The undersigned delivered five transmitters for modification. engineers demonstrated a "Before and After" modification radiation test, the results of which indicated a positive improvement. Acceptance tests will be made by the R&D Laboratory whose test methods are more rigorous. The five sets were modified and returned to the undersigned.			
	25X1A5A1	6. One each, RR-llA and RR-llB were returned to the contractor for an explanation of the output circuitry which differed from that indicated in the schematics. The contractor advised that the LAK4 in the output stage of the RR-llA was in error and should have been a LAD5. He also advised that the "A" schematic should show a 27K resistor in the grid of the RFO, and the "B" schematic should show a 27OK resistor in the EFO grid advised that they had reduced the bias on the "A" receiver to eliminate spurious responses occurring at EFO harmonics. The company			
	25X1A5A1	was advised that spurious response tests had not been made on the "B" receiver to date, and that it may also be necessary to make this same change on the "B" units was requested to hold these two receivers pending tests of other receivers.			
	25X1A5A1	7. was to have calibrated an "A" and "B" receiver using the logging scale in lieu of the dial for frequency identification. A frequency tuning and resetability accuracy of 20 kc/s was anticipated. Receiver tuning would then be accomplished by reference to a chart of frequency versus logging scale graduations. The chart would be permanently attached to the receiver case. This method of receiver tuning is			
	25X1A5A1				
	25X1A5A1	8. expressed his regrets for the difficulties encountered with the RS-11A/B and said they would do everything possible to make the			

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25X1A5A1	units acceptable to us. The undersigned expressed the opinion that it did not seem practicable to calibrate each set in production for a 20 kc/s tuning accuracy necessitating the need for an individual chart for each receiver said he planned to average out calibration data from several receivers to determine if calibration accuracy requirements could be met with averaged figures for a single receiver chart.
25X1A	
	10. was visited on 5X1A5A1 10 September 1956. This company was visited for the purpose of discussing the ET-2 electro-mechanical keyer. does work for TSS and haz5X1A5A1 a full contractual clearance. Present for a discussion of the ET-2 keyer were:
25X1A	
25X1A5A	to undertake a study of the equipment to see what might be done to improve its reliability. The undersigned agreed to provide with an 25×1A5A1 abstract copy of an evaluation report on the unit when available, and suggested that the company consider a three phase proposal to include a short study phase of approximately one month. The study phase should be included with recommendations for phase two improvement of the equipment to establish reliability without major modification and a phase three program
25X1A5A	calling for repackaging of the unit for brief-case dimensions. These similar suggestions were also made (paragraph 7 above) at the25X1A5A1 on Friday. Following the equipment demonstration, the undersigned made a tour of the plant. The specializes in the development and manufacture of training devices which incorporate slow speed electronic and mechanical analogue computers. The 25X1A5A1

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25X1A5A1	company was completing a shipment of 13 pilot trainers to the Air Force and has under development a sonar training device for training service personnel in identifying and tracking waterborn craft without going to sea. The company is also developing a training device for truck drivers. has had no experience with miniaturization techniques nor					
		efficiency of the plant	ant and the quality of the			
				25X1A9A		
	OC-E/R&D-EP/CEM:wlm	(20 September 1956)				
	cc: Monthly Report (2) R&D Subject File OC-O&T OC-E Dev-en					